AMENDMENTS TO THE SPECIFICATION

Please amend paragraph [0021] as follows:

[0021] According to another exemplary embodiment of the present invention, a program, ~~residing on a computer-readable medium,~~ is provided for calculating a meshed description of a realization of a reservoir. The realization comprising a plurality of stratigraphic surfaces. This program includes:

(a)   a first module which is configured to introduce:

i.   a reference realization of the reservoir, the reference realization comprising the stratigraphic surfaces,

ii.   a meshed reference description for the reference realization; the reference description comprising a plurality of planes, at least some of the planes describing the stratigraphic surfaces, each of the planes comprising a plurality of points,

iii.   at least two particular surfaces of the stratigraphic surfaces of the realization corresponding to two stratigraphic surfaces of the reference realization;

(b)   a second module which is configured to calculate, for two homologous points of the two planes describing the two stratigraphic surfaces of the reference realization,

i.   two points underlying the two homologous points on the two stratigraphic surfaces of the reference realization,

ii.   displacements of the two underlying points when the two stratigraphic surfaces of the reference realization are changed into the two corresponding stratigraphic surfaces of the realization, and

iii.   the two displaced underlying points being two homologous points of the two planes of the meshed description describing the two stratigraphic surfaces of the realization; and

(c)   a third module which is configured to calculate planes of the meshed description by interpolation between the homologous points of these two planes.